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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/541,584	07/07/2005	Guo-Hua Wang	AI 381NP	1999
23995 RABIN & Berd	7590 08/03/200 lo. PC	7	EXAM	INER
1101 14TH STREET, NW			LAXTON, GARY L	
SUITE 500 WASHINGTO	N. DC 20005		ART UNIT	PAPER NUMBER
	,		2838	
		•	MAIL DATE	DELIVERY MODE
			08/03/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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	Application No.	Applicant(s)	t
	10/541,584	WANG, GUO-HUA	
Office Action Summary	Examiner	Art Unit	_
	Gary L. Laxton	2838	
The MAILING DATE of this communication Period for Reply	appears on the cover sheet w	ith the correspondence address	1
• •	EDLV IC CET TO EVDIDE AM	ONTU(S) OR THIRTY (20) DAVE	
A SHORTENED STATUTORY PERIOD FOR REWHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CF after SIX (6) MONTHS from the mailing date of this communication - If NO period for reply is specified above, the maximum statutory period for reply within the set or extended period for reply will, by some year of the provision of the p	G DATE OF THIS COMMUNION R 1.136(a). In no event, however, may a r n. eriod will apply and will expire SIX (6) MON tatute, cause the application to become AB	CATION. reply be timely filed ITHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).	
Status		T.	
1) Responsive to communication(s) filed on 1	15 May 2007.		
	This action is non-final.		
3) Since this application is in condition for all	owance except for formal matt	ters, prosecution as to the merits is	
closed in accordance with the practice und	ler <i>Ex parte Quayle</i> , 1935 C.D). 11, 453 O.G. 213.	
Disposition of Claims		l e e e e e e e e e e e e e e e e e e e	
4)⊠ Claim(s) <u>1 and 3-17</u> is/are pending in the a	annlication		
4a) Of the above claim(s) is/are with			
5) Claim(s) is/are allowed.	idiawii iioiii oonolaalaa.		
6)⊠ Claim(s) <u>1 and 3-17</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction are	nd/or election requirement.		
Application Dances		1	
Application Papers			
9) The specification is objected to by the Exar		Landa & Carlos	
10) The drawing(s) filed on is/are: a) Applicant may not request that any objection to		•	
Replacement drawing sheet(s) including the co		1	
11) The oath or declaration is objected to by the	•		
		·	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for for	eign priority under 35 U.S.C. §	§ 119(a)-(d) or (f).	
a) ☐ All b) ☐ Some * c) ☐ None of:			
1. Certified copies of the priority docun			
2. Certified copies of the priority docum		· ·	
3. Copies of the certified copies of the	•	received in this National Stage	
application from the International Bu * See the attached detailed Office action for a	, , , , , , , , , , , , , , , , , , , ,	received	
oce the attached detailed office action for a	and of the definied dopled hot	Teceived.	
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Attachment(s)		·	
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 		Summary (PTO-413) s)/Mail Date	
3) Information Disclosure Statement(s) (PTO/SB/08)	5) 🔲 Notice of I	nformal Patent Application	
Paper No(s)/Mail Date	6) 🔲 Other:	_	

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 1-17 have been considered but are most in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1 and 3-17 are rejected under 35 U.S.C. 102(b) as being anticipated by Probst.

Probst discloses a capacitor coupled power supply apparatus (figs. 2 & 3) characterized in that: inductors (e.g. H1, H2) are respectively inserted in series at the positive and negative sides of lines for guiding a direct current supplied from an alternating current power supply (i.e. rectified AC not shown) through a rectification circuit (e.g. D1, D2), capacitors (e.g. C5, C6) are respectively inserted in series between the positive-side inductor and a load, and between the negative-side inductor and the load (Vout); and a switching element (e.g. T1, T3) is connected between the coupling point of the positive-side inductor with the capacitor connected in series thereto, and the coupling point of the negative-side inductor and the capacitor connected in series thereto. Furthermore, L1/L2=C2/C1 or formulated differently, L1C1 = L2C2 (col. 4 lines 49-68).

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Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:
 - 1. Determining the scope and contents of the prior art.
 - 2. Ascertaining the differences between the prior art and the claims at issue.
 - 3. Resolving the level of ordinary skill in the pertinent art.
 - 4. Considering objective evidence present in the application indicating obviousness or nonobviousness.
- 6. Claims 1 and 3-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ozawa or Probst.

Lethellier discloses a capacitor coupled power supply apparatus (figs. 4-8) characterized in that: inductors (e.g. L1, L4) are respectively inserted in series at the positive and negative sides of lines for guiding a direct current supplied from an alternating current power supply (i.e. rectified AC not shown) through a rectification circuit (e.g. D1), capacitors (e.g. C3, C4) are respectively inserted in series between the positive-side inductor and a load, and between the negative-side inductor and the load (Vout); and a switching element (e.g. Q1) is connected between the coupling point of the positive-side inductor with the capacitor connected in series thereto, and the coupling point of the negative-side inductor and the capacitor connected in series thereto.

However, Lethellier does not expressly disclose whether L1/L2 = C2/C1.

Ozawa and Probst teach equalizing the value of the inductors and equalizing the values of the capacitances in order to maintain a uniform and balanced circuit (See, at least, col. 4 lines 14-17 and col. 10 lines 46-65 of Ozawa; and col. 4 lines 49-68 of Probst).

Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention to modify Lethellier to include equal values of inductances and equal value of capacitors, as taught by both Ozawa and Probst, in order to provide and equal ratio or L1/L2=C2/C1 in order to maintain a uniform and balanced circuit.

Conclusion

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

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8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gary L. Laxton whose telephone number is (571) 272-2079. The examiner can normally be reached on Monday thru Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Karl Easthom can be reached on (571) 272-1989. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Gary L. Laxton
Primary Examiner

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